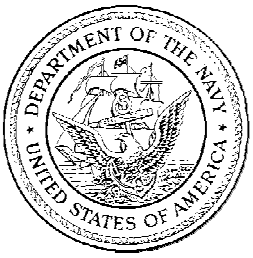
Attachment J-1

DEPARTMENT OF THE NAVY
SUPERVISOR OF SHIPBUILDING, CONVERSION AND REPAIR, USN
P.O. BOX 215
PORTSMOUTH, VIRGINIA 23705-0215



USS TRENTON (LPD-14)

SPECIFICATIONS FOR WORK TO BE ACCOMPLISHED

SPECIFICATION NUMBER: SSP-015-02

05 OCTOBER 2001
DATE PREPARED

I N D E X

ITEMS THAT ARE STRUCK OUT ON THIS INDEX DO NOT APPLY TO THIS CONTRACT.

CATEGORY I. FY-02 STANDARD ITEMS APPLICABLE TO THIS JOB ORDER WITHOUT FURTHER REFERENCE.

I N D E X

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CATEGORY II. FY-02 STANDARD ITEMS WHICH MAY BE INVOKED IN THE WORK ITEMS OF THIS JOB ORDER

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SHIP: USS TRENTON (LPD-14) ITEM NO: 042-27-001

COAR: 26-015 PCN: NONE

GWI FILE NO: 042-27 CMP: NONE

REVISED: 27 FEB 1998 SURVEYOR: MCKOWN

1. SCOPE:

1.1 Title: Accountability of Manhour and Material Reservation; accomplish

1.2 Location of Work:

1.2.1 Not Applicable

1.3 Identification:

1.3.1 Not Applicable

2. REFERENCES:

a. None

3. REQUIREMENTS:

3.1 Accomplish the following, in addition to the specific requirements of the Job Order, for work items which identify reservation of manhours or material dollars.

3.2 Identify task/discrepancies and initiate an estimate of manhours and material dollars on Reservation Task Request/Control Form 7300/5 (Rev. 9/98) for each discrepancy or task identified to be accomplished under a reservation item or reservation paragraph, entering the date and estimate of labor and material, and deliver the estimate to the SUPERVISOR.

3.2.1 Reservation taskings shall not be used to accomplish work outside the scope of the specific work item identifying a reservation work paragraph.

3.3 The SUPERVISOR shall review the estimate submitted and if in agreement, shall sign the "SUPSHIP Authorization Agreement to Quote" blank, authorizing the work at the manhour and material dollars quoted. The contractor shall then sign the "Contractor Obligation/Agreement to Quote" blank and enter the estimated start date. The SUPSHIP contracts representative shall initial the form in the blank provided.

3.3.1 If there is a difference of opinion in the estimate provided by the contractor and SUPSHIP, the manhours and material dollars shall be

negotiated immediately to resolve the difference. The negotiated manhour and material dollars shall then be entered in the provided "Revised Estimate" blocks with the required signatures as indicated in 3.3.

3.4 The Contractor shall enter the work completion date, sign and date the control form, and submit to the SUPERVISOR within two (2) days after completion of the tasking authorized.

3.5 Submit four legible copies of a weekly report listing all work items with manhour and material reservation paragraphs identified to the SUPERVISOR.

3.5.1 The report shall contain the following; work item number, reservation control form serial number, reservation paragraph number, total original manhours and material dollars allocated in each paragraph, the manhour and material dollars negotiated for each authorized tasking, and the remaining balances of manhour and material dollars.

3.6 Submit four legible copies of a final report no later than five days after completion of the availability to the SUPERVISOR.

3.6.1 The report shall contain the same information specified in 3.5.1.

3.7 The reservation manhours and material dollar requirements identified in the individual work items are a part of this contract under the original solicitation and award. Therefore they are subject to the provisions, terms, condition and clauses of this contract job order and the Master Ship Repair Agreement (MSRA)/The Agreement for Boat Repair (ABR).

3.7.1 The manhour reservation shall include both prime contractor and sub contractor efforts.

3.8 The balance of hours remaining in the reservation items after negotiations have concluded, and it is evident that no additional work will be tasked, is subject to a decrease change order.

3.9 Only actual production manhours expended will be considered towards the contractors obligation to provide the defined reservation manhour effort. While supervision, quality assurance, and other nonproductive labor should be included in the pricing for reservation items in the original bid, they shall not count towards satisfying the contractors obligation to provide reserved manhours. The production manhour reservation shall not include any allowance for technical representatives or for any other Government directed source unless specifically addressed in the individual work item.

3.10 Material dollars shall be based on actual costs to the Contractor of acquiring the materials provided. Material dollars may include freight or duties which would be reflected on the invoice for the material. The Contractor shall not be allowed to add material handling charges, overhead

(including G & A), or profit into the actual cost of materials expended toward the reservation.

4. NOTES:

4.1 The information received in the consolidated final report of 3.6 will be used by the Contracting Officer in the issuance of one contract modification, which will be a final settlement for all reservation work items.

4.2 The reservations identified in the individual work items are not to be considered Time and Material or a Level of Effort. Once the scope of work for a task has been identified and a mutually agreeable number of manhours or materials has been agreed to, neither party will be entitled to an adjustment based on actual manhours or material dollars required.

4.3 Each task shall not exceed 25 mandays without approval of the Project Manager.

4.4 The SUPERVISOR will serialize each reservation control form.

SHIP: USS TRENTON (LPD-14)

5. GOVERNMENT FURNISHED MATERIAL (GFM):

	TOTAL QUANTITY PROVIDED	NAME OF PART	PIECE NO.	REF NO.	NATIONAL STOCK NO.	PARA NO.
5.1	One Ea.	Reservation Task Request/Control Form 7300/5 (Rev. 9/98) is available upon request.	---	---	--------	3.2

SHIP: USS TRENTON (LPD-14) ITEM NO: 042-37-001

COAR: 26-015 PCN: NONE

GWI FILE NO: 042-37 CMP: NONE

REVISED: 11 DEC 2000 SURVEYOR: MCKOWN

1. SCOPE:

1.1 Title: General Requirements for Work Within Naval Station Norfolk and Naval Amphibious Base (NAB) Little Creek; accomplish (PCP)

1.2 Location of Work:

1.2.1 Not Applicable

1.3 Identification:

1.3.1 Not Applicable

2. REFERENCES:

a. Standard Items

b. Occupational Safety and Health Regulations (OSHA) 29 CFR 1910

c. Environmental Protection Regulations of 40 CFR

d. Department of Transportation (DOT) Regulations of 49 CFR

e. Virginia Department of Environmental Quality (DEQ) Hazardous Waste Management Regulations 9 VAC 20-60

f. Virginia Department of Environmental Quality (DEQ) Virginia Administrative Code 9 VAC 20-10

3. REQUIREMENTS:

3.1 Accomplish the requirements of 009-09 of 2.a for an "Environmental Management Procedure" (EMP) to the SUPERVISOR, Code 310. The EMP shall address controls and operational actions which will be employed to ensure no adverse environmental impact occurs while performing work within a naval facility. The EMP shall include the following plans applicable to the location and scope of the work being performed:

3.1.1 Oil, Sewage, or Hazardous Substances Spill Contingency and Control Plan.

3.1.1.1 Emergency Coordinator: Provide name, address, office and 24 hour emergency telephone numbers for the Emergency Coordinator, and one alternate. Provide a list of all personnel responsible for cleanup actions that have successfully accomplished spill response training in accordance with 2.b and 2.c. Submit updates to this list each time employees are added or deleted.

3.1.1.2 Describe response time and spill cleanup capability (i.e., equipment such as oil-skimmer, absorbent pads/booms, etc.).

3.1.1.3 Prevention Methods: Describe the methods and work practices to be employed to prevent and minimize discharges of any volume aboard the vessel, ashore, or to the waters adjacent to the cognizant naval facility.

3.1.1.4 Additional Resources: Specify a standby sub-contractor capable of responding to the maximum spill scenario in case a discharge exceeds the prime contractor’s qualifications and cleanup capability. Provide name, address, and telephone number of the sub-contractor, estimated response time, qualifications and cleanup capabilities, and certification from the subcontractor that they will respond if called regardless of time/weather, etc. Provide the same data for sub-contractor as required in 3.1.1.1

3.1.1.5 Certification: Provide a signed certification statement which reads, "All practical spill scenarios herein listed are based on the type of work being accomplished and have been reviewed, and the proper responsible action shall be taken by (contractor’s name) to control and clean up any spill in an accelerated manner until the contamination of such spill is reduced to a satisfactory level where the residual is within the federal, state and local requirements. In the event of a spill which requires action beyond our capabilities, and/or which requires immediate action to contain a spill where we are not able to respond immediately, the Navy may, at it’s discretion, take the appropriate action, and we, (contractor’s name) shall reimburse the government for the following costs; cleanup of the spill, administrative and other costs that were incurred as a result of the spill. These costs may be paid to the government through an off-set in the contract price, at the government’s discretion."

3.1.2 Pumping Operations Plan (liquid transfer to barge/tank or vice versa or any combination).

3.1.2.1 Describe the continuous communications between pump tender and barge/tank tender to allow immediate shutdown if upset occurs during pumping/transfer operations.

3.1.2.2 Specify methods for gauging compartment volume in barge/tank. Maximum volume to be 90 percent of capacity.

3.1.2.3 Describe provisions to tag pump lines to indicate where line(s) are originating from (i.e., ship tank/void) and pump number.

3.1.2.4 Specify that Oil Disposal Rafts (ODRs or Donuts) shall not be used.

3.1.3 Hazardous Material (HM) Management Plan.

3.1.3.1 Identify the methods that will be used to inform the Navy and other employer(s) of any precautionary measures which need to be taken to protect their employees while in the work place during normal operating conditions and in foreseeable emergencies. Describe how HM will be stored during the contract period at the naval facility and list where the MSDSs will be located on job site.

3.1.3.2 Provide certifications of training for all personnel who use, store, transport, or manage HM in accordance with 2.b through 2.d. Describe methods to remove all HM from naval facility.

3.1.4 Solid Waste (SW) (including liquids) and Hazardous Waste (HW) Management Plan.

3.1.4.1 Submit the QA/QC program for certified and accredited laboratory conducting data analysis.

3.1.4.2 Provide a Hazardous Waste Minimization section that describes the efforts to minimize waste generation by reducing the volume or toxicity.

3.1.4.3 Submit a SW sampling plan for hazardous waste determination as required by 2.e.

3.1.4.4 Provide certifications of training for all personnel who handle, drum/containerize, sample, store, transport or manage HW as required by 2.c, 2.d, and 2.e. Describe how SW/HW will be identified, how containers will be labeled, and describe what containers will be utilized for wastes. Describe how and who will remove SW and contractor generated hazardous waste from the naval facility.

3.1.4.5 Describe how compatible/compliant drums, cans, or roll off bins used to store/containerize SW and HW will be accumulated and stored at the naval facility. Describe how the containers will be inspected at the end of each work shift to ensure that all containers covers are properly closed and secured.

3.1.5 Abrasive Blasting/Grinding and Paint Surface Preparation Plan

3.1.5.1 Describe the devices and best management practices to be used during abrasive blasting/grinding and paint surface preparation

including shrouding, enclosures, pontoons/lighters, and vacuum equipment. Enclosures need not be larger than the hull surface that can be serviced in one 24 hour period.

3.1.5.2 Describe how and where blast debris will be stored, including type of container(s). If roll off bins are used, describe the type of container cover to be used to eliminate unnecessary release to the environment. Describe in detail the frequency of cleanup and describe debris collection procedures.

3.1.5.3 Describe how the debris will be sampled/tested in accordance with 2.e and identify disposal procedures.

3.1.5.4 Describe how any non-high efficiency particulate air (HEPA) blasting of non-lead based paints will be completely sealed on all sides from wind and surface waters. Describe what fire retardant shroud materials are used.

3.1.5.5 For work performed on a dry dock, describe how horizontal shrouding will be installed between vessel and dry-dock wing walls or deck, and describe how vertical shrouding will be installed to prevent materials from entering the water. Describe how the fire retardant shroud materials will be sufficiently hung upon the dock floor and how shroud will be weighted down or fastened. State whether or not straw bales will be placed upon the dock floor behind the bottom of the shroud.

3.1.6 Ultra High Pressure Hydroblasting Plan

3.1.6.1 Describe the hydroblasting equipment to be used. Low/high pressure wands are not permitted. The equipment must be capable of removing and recovering coatings from vessel surfaces. The system must contain, without the use of coffer dams, and recover the process water and removed coatings of the deck surface. During hydroblasting removal process hydrogen gas is produced when aluminum particles in removed coatings, such as nonskid, reacts with water. Analysis of similar processes indicates the waste generated both liquid and the solid/semi-solid wastes that may not be regulated as a hazardous waste, but may be restricted wastes by other regulations.

3.1.6.2 Describe how blast protection, and safety boundaries will be established prior to the start of hydroblasting operations. State that warning labels shall be attached to each end of each high pressure water hose identifying the presence of high pressure water.

3.1.6.3 Describe how personnel working in the proximity of water jet operations will be notified of the dangers of high pressure water. State that personnel access areas near the nozzle will be cordoned off with barrier tape and state that appropriate weatherproof warning signs such as "DANGER: HIGH PRESSURE WATER JETTING OPERATIONS" will be used. Describe what

water jet blast protection will be used in the areas open to possible over spray of the nozzle.

3.1.6.4 Describe how noise hazardous areas and equipment shall be appropriately posted.

3.1.6.5 Describe the method of collection and transfer of waste streams and a best management plan to reduce the volume of liquids introduced into solid/semi-solid containers during the separation stages from waste water collection.

3.1.6.6 Estimated weight of solids/semi-solids (lbs) and volume of waste water (gallons) to be removed. This can be a total or on a per area basis.

3.1.6.7 Describe sampling plan to document hydrogen off-gassing of the waste streams while on government property and a ventilation strategy for use if hydrogen gas is detected. This plan should be effective to maintain the hydrogen gas level in all spaces of the storage area to less than 10% of the Lower Explosive Limit (LEL) for hydrogen.

3.1.6.8 Waste stream types include: paint debris, water filters, water, and oily debris. Water and filtered paint debris must be collected and sampled prior to disposal as in accordance with 3.2.3.3 through 3.2.3.6. The contractor must appropriately characterize the waste for disposal.

3.1.6.9 72 hours prior to start of availability, submit to the SUPERVISOR for approval a report describing conveyance and plumbing for the offloading of wastewater. Describe what control equipment will be placed at each end and each connection. Describe how personnel will monitor lines during pumping operations for spill contingency purposes. Measure and record the amount of waste water generated and submit three legible copies of a report to the SUPERVISOR 24 hours prior to the transportation of wastewater. State the waste water will not be filtered/treated on government property. Wastewater shall not be decanted from the conveyance, or in any way discharged from the conveyance while on government property.

3.1.6.10 Provide the name of the company/carrier will be used to transport non-regulated waste for disposal.

3.1.6.11 Wastewater which exceeds regulatory limits for hazardous waste characterization shall be managed in accordance with paragraphs 3.2.4 through 3.2.4.5.

3.2 Accomplish the following for work performed on naval ships/or crafts located within the naval facility:

3.2.1 Spills.

3.2.1.1 In the event of any unauthorized discharge, release, or spill, begin immediate cleanup efforts such as sweeping, containing, plugging, patching, diking, or pumping.

3.2.1.2 In case of a discharge, notify the cognizant naval facility and others, in the following order, immediately upon discovery of any discharges to land or surface water.

OCCURRING AT NAVAL STATION NORFOLK		OCCURRING AT NAB LITTLE CREEK	
1	SHIP'S COMMAND DUTY OFFICER (CDO) XXX-XXXX	1	NAB FIRE DEPT 363-4444
		2	NAB DUTY OFFICER 462-7385
		3	NAB ENVIRON. QUALITY DEPT 462-8566 462-8564 462-7304
	CNB FIRE DEPT. 444-3333	4	NAB PORT OPS (WATER SPILLS) 462-7424
2	NOTE: CDO IS RESPONSIBLE FOR CONTACTING NRC FOR SPILLS OF PETROLEUM, OIL, LUBRICANTS, HM, AND HW. CNB'S ENV. DEPT. WILL REVIEW ALL OTHER SPILLS TO DETERMINE REPORTING PROCEDURES.		NATIONAL RESPONSE CENTER 1-800-424-8802
		5	DEQ (WATER/LAND SPILLS
		6	THAT EXCEED 25 GALLONS) 518-2000
			ST. DEPT OF EMERGENCY SERV. 674-2400
		7	(FOR HM/HW SPILLS) 1-800-468-8892
	PROCEED TO #8.		PROCEED TO #8

8	SUPSHIP OSHE DIV. DURING THE HOURS OF 0630-1545	396-7615
	SUPSHIP DUTY OFFICER DURING THE HOURS OF 1546-0629	396-3736

3.2.1.3 Provide the type of waste discharged, Material Safety Data Sheet(s) (MSDS), description of the material, time and duration of the discharge, the total quantity discharged or spilled, reason for the discharge or spill, and the name and phone number of the person who discovered the discharge or release.

3.2.2 HM Notification and Storage.

3.2.2.1 Submit HM and Emergency Planning Community Right-to-Know Act (EPCRA) Reporting Form, Attachment A to the naval facility via the SUPERVISOR, Code 310, prior to use and storage of each HM used throughout the duration of the contract/work order. Submit a MSDS for each HM which does not have a federal stock number.

3.2.2.2 A storage or lay down area must be approved by the SUPERVISOR and the naval facility prior to storing HM. HM shall not be stored on government property, or on barges, or in tanks/voids other than in assigned and properly labeled storage areas.

3.2.3 Solid Waste (SW)/Non-Hazardous Waste (Non-HW)Containerization, Storage, Accumulation, Disposal, and Compliance.

3.2.3.1 Properly containerize all SW/Non-HW in accordance with 2.b through 2.f. All waste must be stored in compatible steel drums or cans that shall be kept closed with lids secured by rings or in roll off bins that are appropriately covered. All containers shall be labeled/marked to withstand weather and sun with the description of waste, date of generation, ship name, contractor name, contractor's point of contact and their phone number.

3.2.3.2 Any container-to-container transfer of paint, blast grit, or scraping/grinding debris shall be conducted in an area completely sheltered from wind and rain. All containers shall remain closed at all times except during transfer of contents. Compressed air or water pressure shall not be used to wash or blow paint chips/dust or related debris overboard or to deck drains discharging into bilges. Paint debris of any kind shall not be dumped into the Collection, Holding, and Transfer (CHT) System.

3.2.3.3 A DEQ certified laboratory shall analyze all solid wastes for TCLP (metals) (EPA method 1131) to determine the presence of HW characteristics. Ensure that all laboratory reports include analytical data, the applicable regulatory levels of Toxicity Characteristic wastes, and identifies all toxic wastes which exceed regulatory levels.

3.2.3.4 All laboratory reports shall be provided to the naval facility via the SUPERVISOR, Code 310, immediately upon receipt from laboratory. Facsimile transmission is acceptable and can be transmitted to 396-4175. Contact Code 310 via telephone, 396-7615/4724 to confirm receipt of analysis.

3.2.3.5 The SUPERVISOR, Code 310, will issue authorization to contractor to remove SW and contractor shall remove SW from naval facility within 48 hours of notification and transfer to permitted facility.

3.2.3.6 Submit a copy of Solid/Non-Hazardous waste manifests to the SUPERVISOR, Code 310 within seven days of disposal facility acceptance.

3.2.4 HW Identification, Containerization, Storage, Disposal, and Compliance.

3.2.4.1 Immediately upon hazardous waste determination ensure that the proper Environmental Protection Agency (EPA) waste code(s) and DOT proper shipping name is determined and is identified on appropriate label on container(s).

3.2.4.2 No HW is to be shipped by water.

3.2.5 Discharges.

3.2.5.1 There shall be no direct or indirect overboard discharge of petroleum products, grit blast material, food matter, cleaning

fluids, paint or paint solvents, soap products, or any other solid, chemical, compound, or mixture of solution. Detergents shall not be washed overboard through deck drains. If decks must be washed with detergent, stoppers ("damage control plugs") and covers shall be used for deck drains and the mixture must be mopped up and disposed of through the CHT system (no oils present), or the oily waste system (oils present). Non-persistent emulsifiers may be discharged into the bilge with the ship's approval. Obtain prior approval of the naval facility for all overboard discharges via the SUPERVISOR, Code 310.

3.2.6 CHT Work.

3.2.6.1 Notify the naval facility via the SUPERVISOR, Code 310 at 396-7615/4724, 24 hours prior to commencement of any CHT system work. Notification shall include Ship Name, Ship point of contact/phone number, ship location (pier number), projected work schedule (start/stop date/time), and contractor company name.

3.2.7 Blasting, Grinding, Scraping, or Painting.

3.2.7.1 Prior to any abrasive blasting or open scraping sampling must be conducted and analyzed for total lead content in paint, in percent by weight, using the Atomic Absorption Method, and tri-butyltin for bottom anti-fouling paints, to establish safety and environmental requirements prior to any abrasive blasting operations. Paints in excess of 0.5 percent lead by weight will be considered lead based paint. Submit sample results via facsimile to the SUPERVISOR, Code 310, 396-4175.

3.2.7.2 Any blasting, scraping, grinding or painting must take place in an environment completely sealed off on all sides from wind and surface water. All paint debris must be vacuumed up at the end of each work shift and at any time when leaving the work site unattended. Utilize a HEPA vacuum for lead based paint debris removal. Scraping over small boats is unacceptable due to the likelihood of paint debris being discharged overboard by wind, rain, or boat bailing. Scraping over floats is acceptable provided tarps or shrouds are used that have magnets, lines, ropes, or other mechanical means of securing between the ship and float in a manner to allow all debris to be captured. Debris collection will be improved by minimizing the area being scraped or ground.

3.2.7.3 Abrasive blasting units, power, and hand tooling for removal of non-lead based paints shall be vacuum assisted in order to contain all removed particles.

3.2.7.4 Abrasive blasting units, power, and hand tooling for removal of lead based paints shall be HEPA filter assisted in order to contain all removed particles. Removal of lead based paint shall be performed in accordance with federal, state, and local regulations.

(V) (G) "INSPECTION OF SHROUD/CONTAINMENT BARRIERS"

3.2.7.5 Inspect shroud/containment barriers prior to start of any removal of paint.

3.2.7.6 Any painting of exterior surfaces must take place in such a manner as to prevent any paint from reaching the surface of the water. Paint floats are permitted as long as they are positioned in such a way as to preclude any paint from dripping into the water. Attach tarp and shroud materials using magnets or securing line between the ship and float in a manner to allow all paint drips to be captured. The number of open paint containers should be minimized during painting operations, and all containers shall be closed at the end of work shift. Exterior painting shall not occur during inclement weather or during times when inclement weather is anticipated before the paint would dry.

3.2.8 National Emission Standards for Hazardous Air Pollutants (NESHAP) for Shipbuilding and Ship Repair Surface Coating Operations.

3.2.8.1 Submit one legible copy of the manufacturer’s batch certifications for VOC content of as-supplied coatings and Attachments B through E to the SUPERVISOR, Code 310, via facsimile at 396-4175 by the 3rd day of each month or at the end of the availability which ever is earlier.

3.2.8.2 All thinning waivers, Attachment E, shall be submitted to the SUPERVISOR, Code 310 for review and approval prior to painting operations.

3.3 Diving Operations.

3.3.1 Notify Port Operations within thirty minutes of divers entering the water. Submit one legible copy of the Port Operation notification to the SUPERVISOR.

3.3.2 Ensure that the ship’s "Code ALPHA" flag is up each day prior to and during all diving operations.

3.4 Accomplish the following for work performed at NAB Little Creek:

3.4.1 Recycling.

3.4.1.1 Empty metal cans, drums, or containers which have no free-flowing liquid or residues of RCRA listed wastes can be recycled as scrap metal. Notify NAB Little Creek MWR recycling at 462-7401 to have empty paint containers picked up. Solidified residues over 1/4 inch deep inside containers will not be picked up for recycling and shall be disposed of as HW/HM.

3.4.1.2 Contractor generated HW will be removed from NAB Little Creek within 72 hours of generation to include empty metal cans, drums, or containers with listed waste residues over the EPA specified amount. HW shall be manifested off-base to an EPA approved treatment, storage, or disposal facility.

3.4.1.3 A request to conduct painting/coating operations and removals shall be submitted utilizing Attachment F to the naval facility via the SUPERVISOR. Such operations shall be conducted when practical between the

hours of 0700 and 1630 Monday through Friday, excluding government holidays, unless the work permit stipulates otherwise.

3.4.1.4 Navy and co-generated HW shall be transported to PWC Little Creek HW storage site. HW shall not be stored on piers for more than 24 hours and shall not be stored on government property, on barges, or in tanks/voids other than in assigned and properly labeled HW storage sites.

3.4.1.5 Notify the SUPERVISOR, Code 310 of properly packaged and labeled HW. Request from the SUPERVISOR a completed DD 1348-1. Contact NAB Little Creek's hazardous waste storage site at 462-7363 to make arrangements for pickup of HW. Should a HW determination be made after Friday at 1300 and before Monday at 0700, contact the SUPERVISOR, Duty Officer, at 396-3736 to make arrangements for immediate transfer of HW.

3.5 Accomplish the following for work performed at Naval Station Norfolk:

3.5.1 Navy, Co-generated, and Contractor Generated HW Containers.

3.5.1.1 All HW generated shall be turned over to the government and will be disposed of under federal facility generator number. HW shall not be stored on piers, or in work stations, conex boxes, or contractor vehicles located on piers or other government property, barges, tanks, or voids. If HW is generated after the pick-up schedules listed in 3.4.1.3, the HW must remain aboard ship until the next normal business day and be transferred to the government in accordance with PWC pick-up schedule.

3.5.1.2 Notify the SUPERVISOR, Code 310, of properly packaged and labeled HW ready for pick-up by Public Works Center (PWC), Norfolk. Request from the SUPERVISOR, Code 310, a completed DD Form 1348-1.

3.5.1.3 Accompany the SUPERVISOR, Code 310 representative, or designated ships personnel with waste and DD Form 1348-1 to turn in location using the following pier pick up schedule.

Time (Monday-Friday)	Location
0800 - 0915	Pier 5
0800 - 0915	Pier 11
1030 - 1115	Pier 24
1030 - 1115	Between Piers 21/22

3.5.1.4 This schedule may change. Contact PWC at 444-7528 for current information. Contractor must remain at site until PWC completes the inventory of waste or when dismissed by the SUPERVISOR. HW must be attended at all times while at the pick-up locations. It is a federal offense to abandon HW on the piers or any other location.

3.5.1.5 PWC Norfolk will pick up no more than 4 pallets of waste at one time and should contain no more than 15 line items stacked two

layers high. Otherwise, a conference will need to be scheduled through CNB's Environmental Office, via the SUPERVISOR, Code 310.

3.5.1.6 If the above schedule cannot be met or volumes exceed limits listed in 3.4.1.4, coordinate with the SUPERVISOR, Code 310, for turn in of HW.

3.5.1.7 Contact the SUPERVISOR's Duty officer at 396-3736 should a HW determination be made after Friday at 1500 and before Monday at 0700 to make arrangements for immediate transfer of HW.

3.6 Emergency Response System

3.6.1 CNB/NAB has a fully capable response system.

3.6.2 Contractor shall instruct their personnel, including subcontractors, assigned to a job within CNB/NAB, upon witnessing flooding, fire, injury to personnel, or any other incident or casualty requiring emergency response, to immediately contact all the below, providing the location and other pertinent details.

Designated representative of vessel's Commanding Officer
CNB fire department dispatcher (444-3333)
NAB fire department dispatcher (363-4444)
SUPERVISOR

4. NOTES:

4.1 The cognizant naval facility and the SUPERVISOR will:

4.1.1 Perform periodic inspections on all HW/HM Management activities.

4.1.2 Receive wastes if deemed necessary to protect the government's financial or liability interests. In this event, appropriate credit may be taken by the Navy for any and all costs incurred and work not performed.

4.1.3 Stop work only in the event of a regulatory safety and/or environmental violation.

4.1.4 Conduct periodic inspections of sampling procedures.

4.1.5 Provide an accumulation area for staging of HW generated under this job order when the schedule in 3.4.1 cannot be met and a storage area aboard ship cannot be secured (case-by-case basis).

4.1.6 Provide oversight (as necessary) to all spill cleanup operations.

4.1.7 The work conducted under this Job Order is subject to unplanned inspections by Federal and state regulatory agencies for compliance with environmental laws and regulations. Any such inspections will be brought to the attention of the contractor as soon as possible following notification of the inspection to the naval facility. The naval facility shall conduct periodic unplanned inspections of the contractor's operations. Any condition which could effect environmental compliance, will be immediately brought to the contractor's attention for immediate corrective action. Work operations will be stopped, if deemed a serious compliance issue, and will not restart until the deficiency is corrected. The contractor assumes all costs incurred resulting from stop work or corrective actions implemented to effect environmental compliance with Federal, state, local laws, and naval facility requirements.

5. GOVERNMENT FURNISHED MATERIAL (GFM):

5.1 None.

SHIP: USS TRENTON (LPD-14)

CONTRACTORS' HAZARDOUS MATERIAL (HM) AND EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT REPORTING FORM

Contractor's Name:_____ Subcontractor's Name:_____
Point of Contact/Phone number:_____ POC/Phone number:_____
Emergency POC:_____ Emergency POC:_____
Date of Work Beginning:_____ Ending:_____
Ship:_____ Job/Work Order Number:_____
Job Location:

_ NAVAL STATION NORFOLK _ NAVAL AMPHIBASE LITTLE CREEK

Contracting Office: SUPSHIP PORTSMOUTH

Hazmat Name	Manufacturer And Part Number	Amount stored At Location	Storage location	Usage (lbs/gal)	How will waste be dispose of?

Notes:

1. Attach a copy of Material Safety Data Sheet for each product that does not have a Federal Stock Number.
2. The third column will list the maximum amount **stored** at naval facility at any given time throughout availability. Volumes shall be listed in gallons or pounds.
3. The fifth column will list volume, in gallons or pounds, of each hazardous material that will be **used**, not stored, during the availability.
4. The sixth column will state how waste will be disposed of (i.e: pumped into tanker trucks, collected in drums, etc.).

ATTACHMENT A

SHIP: USS TRENTON (LPD-14)

MONTHLY MARINE COATING SUMMARY

Prime Contractor: _____ **Sub-Contractor:** _____

Month/Year: _____

Point of contact: _____

Phone/Fax: _____

Ship: _____**Location:** **_ Naval Station Norfolk _ NAB Little Creek**

Job/Work Order Number: _____

COATING CATEGORY	**VOHAP limit (grams/liter)**	**Quantity Used (gals)**
G1: General Use	340	
S1: Air flask	340	
S2: Antenna	530	
S3: Anti-foulant	400	
S4: Heat resistant	400	
S5: High gloss	420	
S6: High temperature	500	
S7: Inorganic zinc primer	340	
S8: Military exterior	340	
S9: Mist	610	
S10: Navigational aids	550	
S11: Non Skid	340	
S12: Nuclear	420	
S13: Organic zinc	360	
S14: Pre-treatment wash primer	340	
S15: Repair and maintenance of thermoplastic coating	550	
S16: Rubber camouflage	340	
S17: Sealant coat for thermal spray aluminum	610	
S18: Special marking	490	
S19: Specialty interior	340	
S20: Tack coat	610	
S21: Undersea weapons systems	340	
S22: Weld-through (shop) primer	650	
		Total (gls):

Instructions: Compile information from daily marine coating usage logs (Attachment C). Calculate total usage of each coating category. Forward a copy to SUPSHIP, Code 310, via facsimile by the 3rd day of each month or at the end of the availability which ever comes first.

ATTACHMENT B

SHIP: USS TRENTON (LPD-14)

DAILY MARINE COATING USAGE LOG

Contractor/Command/Shop:_____ Ship: _____ Naval Facility: _____ Month/Year:_____

Contractor Point of Contact: _____ Job Order: _____ Phone/Fax: _____

DATE	COATING NAME	NSN (OR VOC CONTENT)	CAGE	MSDS#	COATING CATEGORY	AMT ISSUED	AMT RETURNED	AMT USED

COATING CATEGORIES:

G1: GENERAL USE	*S5: HIGH GLOSS*	*S10: NAVIGATIONAL AIDS*	*S15: THERMOPLASTIC REPAIR*	*S20: TACK COAT*
S1: AIR FLASK	*S6: HIGH TEMP*	*S11: NON-SKID*	*S16: RUBBER CAMOUFLAGE*	*S21: UNDERSEA WEAPONS*
S2: ANTENNA	*S7: INORGANIC ZINC*	*S12: NUCLEAR*	*S17: SEALANT, THERMAL SPRAY*	*S22: WELD-THROUGH PRIMER*
S3: ANTI-FOULANT	*S8: MILITARY EXTERIOR*	*S13: ORGANIC ZINC*	*S18: SPECIAL MARKING*	
S4: HEAT RESISTANT	*S9: MIST COAT*	*S14: WASH PRIMER*	*S19: SPECIALTY INTERIOR*	

INSTRUCTIONS: *Record required information for each coating issued. Only* **COMPLIANT MARINE COATINGS** *shall be used. If non-NSN coatings are used, record coating VOC content. Forward completed daily marine usage logs with monthly summary sheet by the 3rd day of each month or at the end of the availability which ever comes first to SUPSHIP, Code 310, via facsimile.*

ATTACHMENT C

SHIP: USS TRENTON (LPD-14)

TRANSFER, HANDLING AND STORAGE PROCEDURE INSPECTION FORM

Contractor: _____ Area inspected: _____

Point of contact: _____

Inspector: _____(Printed Name) Marine coating operations ____ Yes

_____(Signature) in progress? (Check one) ____ No

Date: _____ Phone/Fax: _____

Ship/Job Order: _____

	Y/N	COMMENTS
Are containers of paint and solvents maintained in good Order? (e.g.: minimal rusting and dents, no openings or leaks)		
Are solvent and paint contaminated wastes transferred to a closed container with a tight fitting cover at the end of the work shift?		
Are paint and solvent containing systems (e.g.: spray systems) maintained in good order to minimize chance of leaks?		
Are containers of paint and solvent, (material and waste) kept closed unless material/waste is being added/removed from the container?		
Are funnels or other such devices/practices used to minimize chance of paint/solvent (material or waste) spillage?		
Are spills cleaned up immediately, and are spill contaminated wastes properly containerized?		

NOTES:

1. Work practice inspections to be performed at least monthly for each area where marine coating operations are performed.

2. Bring any findings to the immediate attention of work leader and to the SUPERVISOR, CODE 310, if it can be done so safely.

3. Describe finding and corrective actions taken in comment section. Use additional comment section if more space is needed.

ATTACHMENT D

SHIP: USS TRENTON (LPD-14)

MARINE COATING THINNING WAIVER WAIVER NO:

SECTION 1 - WAIVER REQUEST *(TO BE COMPLETED BY PERSON REQUESTING WAIVER)*

NAME: *CONTRACTOR:* *SHIP/J.O:* *PHONE:* *DATE:*

COATING TO BE THINNED*:*

MANUFACTURER: *NOMENCLATURE :*

NSN: *PART NO:* *CAGE:* *LOT/BATCH NO:*

COATING CATEGORY: *VOC CONTENT (g/L OR lbs/GAL):*

THINNER TO BE USED*:*

MANUFACTURER: *NOMENCLATURE :*

NSN: *PART NO:* *CAGE:* *LOT/BATCH NO:*

THINNING REQUIRED FOR COLD WEATHER (LESS THAN 40 deg. F) APPLICATION? (YES ☐ NO ☐)

ATTACH COPIES OF COATING AND THINNER MSDS

SECTION 2 - CALCULATIONS (*TO BE COMPLETED BY CONTRACTOR'S ENVIRONMENTAL STAFF)*

Vs = VOLUME FRACTION OF SOLIDS IN COATING = (IF Vs NOT AVAILABLE, CALCULATE AS FOLLOWS)

Vs = 1 - (TOTAL VOLATILE IN COATING / AVG. DENSITY OF VOLATILE IN COATING)

VOHAP LIMIT = *Dth = DENSITY OF THINNER TO BE USED =* *(g/L)*

MAX THINNING RATIO = [(Vs) (VOHAP LIMIT) - VOC CONTENT] / Dth = (EQUAL UNITS OF THINNER TO COATING)

MAX THINNING RATIO = X 128 = (oz THINNER/GAL COATING)

NOTE: THIS RATIO IS NOT TO BE EXCEEDED UNDER ANY CIRCUMSTANCES.

ALL DENSITIES, VOHAP LIMITS, AND VOC CONTENTS ARE TO BE EXPRESSED IN GRAMS/LITER

NAME: *DATE:* *PHONE:*

PRINTED NAME:

SECTION 3 – THINNING RECORD *(TO BE COMPLETED BY PAINTER OR PAINT ISSUANCE LOCKER)*

AMOUNT OF COATING APPLIED: *AMOUNT OF THINNER ADDED:*

IF THINNING FOR COLD WEATHER, WAS TEMP. BELOW 40 DEGREES (F) DURING PERIOD OF APPLICATION? (YES / NO

NOTE: ONLY REPORT THINNER ADDED TO COATING. DO NOT REPORT SOLVENT USED FOR CLEAN UP OF EQUIPMENT OR SURFACES.

NAME: *PHONE:*

SIGNATURE: *DATE:*

Notes: 1) Submit to SUPERVISOR, Code 310, four hours prior to thinning operations for review and approval. Submit before 12:00 p.m. on Friday for thinning operations planned for weekend or before 12:00 p.m. the day proceeding a federal holiday.

SHIP: USS TRENTON (LPD-14)

NAB LITTLE CREEK WORK PERMIT FOR PAINT/COATING PREPARATION, REMOVAL, OR APPLICATION

COATING PREPARATION _____ DATE APPROVED _____

COATING REMOVAL _____ DATES OF WORK* _____

COATING APPLICATION _____

VESSEL _____ JOB ORDER: _____

LOCATION ON VESSEL _____

ITEM ON VESSEL _____

* ALL WORK SHALL BE LIMITED TO 0700-1530 M-F EXCLUDING GOVERNMENT HOLIDAYS, UNLESS SEPARATE APPROVAL STICKER IS ATTACHED BELOW.

CONTRACTOR _____ PHONE NUMBER _____

CONTRACTOR (SUB) _____ PHONE NUMBER _____

SHIP P.O.C. _____ DEPARTMENT/# _____

SUPSHIP OSHE P.O.C. _____ PHONE NUMBER 396-7615

EQD P.O.C. _____ PHONE NUMBER _____

I UNDERSTAND THAT I AM RESPONSIBLE FOR ENSURING THAT THE APPROVED CONTAINMENT IS NOT MODIFIED IN ANY WAY (EXCEPT FOR REPAIR). NO COATING IN ANY FORM IS TO BE RELEASED TO THE ENVIRONMENT. CONTRACTOR IS RESPONSIBLE FOR REPORTING ANY DISCHARGE IMMEDIATELY TO DEQ AT 518-2000.

PRIME CONTRACTOR SIGNATURE _____

SUB CONTRACTOR SIGNATURE _____

SHIP REPRESENTATIVE SIGNATURE _____

SUPSHIP REPRESENTATIVE SIGNATURE _____

EQD REPRESENTATIVE SIGNATURE _____

AFFIX AFTER HOURS WORK PERMIT STICKER HERE

AFTER HOURS WORK PERMIT

I UNDERSTAND THAT THE VESSEL ACCEPTS RESPONSIBILITY FOR OVERSIGHT OF THIS CONTRACTOR'S ENVIRONMENTAL PROTECTION PRACTICES.

SIGNED: _____ **DEPARTMENT:** _____

DATE: _____

ATTACHMENT F

SHIP: USS TRENTON (LPD-14) ITEM NO: 077-01-001

COAR: 26-015 PCN: NONE

SWI FILE NO: 077-01 CMP: NONE

REVISED: 23 SEP 1999 SURVEYOR: RIDDICK

1. SCOPE:

1.1 Title: Hazardous Waste Produced on Naval Vessels; control

1.2 Location of Work:

1.2.1 Throughout the Ship

1.3 Identification:

1.3.1 Not Applicable

2. REFERENCES:

a. Resource Conservation and Recovery Act (RCRA)

b. Federal Hazardous Materials Transportation Act, 49 U.S.C. 5103

c. Applicable Hazardous Waste Manifest Form

d. 10 U.S.C. 7311

3. REQUIREMENTS:

3.1 Manage and dispose of all hazardous waste listed in 3.5 in accordance with 2.a and 2.b.

3.1.1 When a Navy generator number is required by this Work Item, submit the original of 2.c to the SUPERVISOR for assignment of Environmental Protection Agency (EPA) or delegated state environmental agency identification number.

3.1.2 Manage and transport for Navy disposal, Navy-generated hazardous waste listed in 3.5 in accordance with 2.a and 2.b, as designated by the SUPERVISOR.

3.1.3 Submit one legible copy of 2.c signed by the owner or operator of the disposal facility to the SUPERVISOR within 48 hours of receipt from owner or operator of disposal facility.

3.2 Complete documentation required by 2.a and 2.b, using EPA or delegated state environmental agency identification number in accordance with 2.d.

3.2.1 Documentation related to hazardous waste generated solely by the physical actions of Ship's Force or Navy employees (termed Navy-Generated Hazardous Waste) on board the vessel shall only bear a generator identification number issued to the Navy pursuant to applicable law. The contractor shall obtain SUPERVISOR'S concurrence with the categorization of the waste as Navy-generated before completion of the manifest. The manifest prepared shall be presented to the SUPERVISOR for completion after the hazardous waste has been identified.

3.2.2 Documentation related to hazardous waste generated solely by the physical actions of contractor personnel (termed Contractor-Generated Hazardous Waste) shall bear a generator identification number issued to the contractor pursuant to applicable law. Regardless of the presence of other material in or on the shipboard systems or structure which may have qualified a waste stream as hazardous, where the contractor performs work on a system or structure using materials (whether or not the use of such materials was specified by the Navy) which by themselves would cause the waste from such work to be a hazardous waste, documentation related to such waste shall only bear a generator number issued to the contractor.

3.2.3 Documentation related to hazardous waste generated by the combined physical actions of Navy and contractor personnel (termed Co-Generated Hazardous Waste) shall bear a generator identification number issued to the contractor pursuant to applicable law and shall also cite in the remarks block a generator identification number issued to the Navy pursuant to applicable law. When the contractor merely drains a system and such drainage creates hazardous waste or the contractor performs work on system or structure using materials which by themselves would not cause the waste from such work to be hazardous waste but such work nonetheless creates a hazardous waste, documentation related to such waste shall bear a generator identification number issued to the contractor and shall also cite in the remarks block a generator identification number issued to the Navy. The contractor shall sign the generator certification on the Uniform Hazardous Waste Manifest whenever use of the manifest is required for disposal. The contractor shall obtain SUPERVISOR's concurrence with the categorization of the wastes as co-generated before completion of the manifest. Manifests prepared shall be presented to the SUPERVISOR for completion after the hazardous waste has been identified.

3.3 If the contractor, while performing work at a Government facility, cannot obtain a separate generator identification number from the state in which the availability will be performed, the contractor shall notify the SUPERVISOR within three business days of receipt of written notification by the state. After obtaining approval of the SUPERVISOR, the contractor shall use the Navy site generator identification number and insert in the remarks block the contractor generator identification number issued for the site where his main facilities are located.

3.4 If, for availabilities at a contractor-owned or controlled facility, the Navy cannot obtain a separate generator identification number for use at a

contractor facility, the Navy shall notify the contractor within three business days of receipt of notification by the state. The contractor shall dispose of hazardous waste in accordance with 2.a, 2.b, and 3.2.3.

3.5 Hazardous waste, as identified in 2.a, expected to be produced during performance of this Job Order:

	AMOUNT		
TYPE	NAVY	CO-GENERATED	CONTRACTOR
Acid Solutions (may include spent sulfamic, citric, chromic, nitric, sulfuric, hydrochloric, etc.)	0	0	0
Ethylene Glycol (Antifreeze)	0	0	0
Sodium Hydroxide	0	0	0
Cleaning Solvents	0	0	0
Sodium Phosphates (Tri, Bi, or Mono)	0	0	0
Fluorocarbons	0	0	0
Morpholine	0	0	0
Sodium Chromates	0	0	0
Hydrazine	0	0	0
Methyl Ethyl Ketone	0	0	0
Spent Abrasive Blast Material (contaminated with a known hazardous waste)	0	0	0
Trichloroethane	0	0	0
Miscellaneous Chemicals (Ignitable)	0	0	0
Miscellaneous Chemicals (Corrosive)	0	0	0
Miscellaneous Chemicals (TCLP Toxic)	0	0	0

SHIP: USS TRENTON (LPD-14)

Miscellaneous Chemicals (Reactive)	0	0	0
Oil (Synthetic)	0	0	0
Paints (Enamel, Latex, Epoxy, thinners, oil based, rubber paint, non-skid, lacquer, remover, varnishes)	0	0	0
Paints (May include lead, cadmium, or chrome)	0	One Pound	0
Paint Strippers (phenols, lead, chromium)	0	0	0
Sludge (Contaminated with a known hazardous waste)	0	0	0
Wool Felt (contaminated with chromium and PCB's)	0	0	0

3.5.1 Provide 325 dollars for managing and disposing of all hazardous waste listed in 3.5. Total cost greater or less than above dollar amount will be the subject of an equitable adjustment.

3.6 Submit one legible copy of a report identifying type, amount, and disposal cost of waste listed in 3.5 that was removed during the performance of this Job Order to the SUPERVISOR.

3.6.1 The report shall include analysis or other method used to identify the waste and state whether each listed waste was hazardous (with generator assignment), non-hazardous, or did not exist.

3.6.1.1 Chemical analysis shall be accomplished by laboratories with state or EPA approved quality assurance programs.

3.6.2 The contractor shall make an effort to minimize hazardous waste generation by reducing the volume or toxicity by neutralizing, recycling, or otherwise removing it from the requirements of Subtitle C of 2.a and include a description of such efforts in the report.

3.7 Nothing contained in this Work Item shall relieve the contractor from complying with applicable federal, state, and local laws, codes, ordinances, and regulations, including the obtaining of licenses and permits in connection with hazardous waste handling and disposal in the performance of this contract.

SHIP: USS TRENTON (LPD-14)

4. NOTES:

4.1 The waste listed in 3.5 is based on the best information available at the time of preparation of the solicitation. Hazardous waste generated during the actual performance of the work may vary in type or amount from waste listed in 3.5 which may result in renegotiation for credit or increase pursuant to Paragraph (b) of 2.d. The contractor is expected to use best management practice to identify and dispose of all hazardous waste. Some of the substances listed in 3.5 may be neutralized, recycled, or otherwise removed from the requirements of Subtitle C of 2.a. Inclusion of these substances in the waste listed in 3.5 does not preclude the contractor from taking action consistent with 2.a to reduce or eliminate the hazardous constituents of any waste required to be disposed of under the contract in accordance with 2.b. Processes that add hazardous constituents to the bilges may require that bilge water be disposed of as a hazardous waste.

4.1.1 The types and amounts of wastes listed in 3.5 are estimates of waste to be disposed of under this contract as required by 2.d. They are not estimates of the amount of the work involved in generating that waste. The work requirements of each individual Work Item specify the actual work to be accomplished.

4.2 Hazardous wastes are determined by one or more of the following methods:

4.2.1 Chemical analysis which shows that the material characteristics of ignitability, corrosivity, reactivity, and/or toxicity (Toxicity Characteristic Leachate Procedure - TCLP) exceed the limits for that material in 40 CFR 261.20 Subpart C.

4.2.2 Reference to a Material Safety Data Sheet (MSDS), or

4.2.3 Applying knowledge of the hazardous characteristics of the waste in light of the materials or the process used.

4.3 Asbestos, bilge water, oil/water including sludge, debris and other contaminants, sludge which includes solids and sludge from ballast tanks, CHT tanks, voids, oily waste tanks, fuel ballast tanks, fuel oil tanks, skegs (West coast), PCB’s (Maryland), etc., apply only in those states listing them as hazardous waste. When an availability is to be performed in a state where these items are hazardous waste, an estimate of the amount to be generated shall be included in 3.5.

5. GOVERNMENT FURNISHED MATERIAL (GFM):

5.1 None.

SHIP: USS TRENTON (LPD-14)

ITEM NO: 131-11-001

COAR: 26-015

PCN: XP01-0530
XP01-0531

CMP: NONE

SURVEYOR: RIDDICK

1. SCOPE:

1.1 Title: Structural Repairs To Main Deck; accomplish

1.2 Location of Work:

1.2.1 CPO and M/SGT Galley and Scullery (1-48-0-Q)

1.2.2 Ladies Room (1-56-1-L)

1.2.3 Disburse Office (1-52-2-Q)

1.3 Identification:

1.3.1 Not Applicable

2. REFERENCES:

a. Standard Items

b. 107-2531073 Rev E, Main Deck Plating Fwd Fr 91

3. REQUIREMENTS:

3.1 Accomplish the following repairs in each location listed in 1.2 as designated by the SUPERVISOR:

3.1.1 Remove a total of five square feet of deteriorated deck plating.

3.1.2 Chip and grind surfaces flush in way of repairs.

3.1.3 Install new material in place of that removed in 3.1.1 in accordance with 2.b.

3.2 Provide 15 mandays of labor and 500 dollars of material to accomplish repairs not previously identified in this Work Item, when directed by the SUPERVISOR. Total cost greater or less than above manday and dollar amounts when authorized will be the subject of an equitable adjustment.

3.2.1 Submit four legible copies of a weekly report to document labor and material expenditures to the SUPERVISOR.

3.3 Accomplish the requirements of 009-12 of 2.a, including Table 2, Column A, Lines One through 7.

3.4 Accomplish the requirements of 009-25 of 2.a for the air hose test of the new plating and weld seams. Allowable leakage: None.

3.5 Accomplish the requirements of 009-32 of 2.a for the new and disturbed surfaces.

4. NOTES:

4.1 None.

5. GOVERNMENT FURNISHED MATERIAL (GFM):

5.1 None.

SHIP: USS TRENTON (LPD-14) ITEM NO: 150-11-001

COAR: 26-015 PCN: DG01-1651

RWI FILE NO: 150-01 CMP: NONE

REVISED: 2 JUN 1999 SURVEYOR: RIDDICK

1. SCOPE:

1.1 Title: Structural Repairs Above the Main Deck; accomplish

1.2 Location of Work:

1.2.1 Boat Deck, Frames 120-152, 01 Level, Port to Starboard

1.3 Identification:

1.3.1 Not Applicable

2. REFERENCES:

a. Standard Items

b. 111-2531085 Rev D, 01 Level Plating

c. 111-2531092 Rev F, 01 Level Longitudinals and Transverses

3. REQUIREMENTS:

3.1 Accomplish the following repairs as designated by the SUPERVISOR:

3.1.1 Remove a total of 50 square feet of deteriorated deck plating.

3.1.2 Longitudinals in way of and extending 12 inches beyond deck plating removals.

3.1.3 Chip and grind surfaces flush in way of repairs.

3.1.4 Install new material in place of that removed in 3.1.1 through 3.1.2 in accordance with 2.b through 2.c.

3.2 Provide 30 mandays of labor and 1000 dollars of material to accomplish repairs not previously identified in this Work Item, when directed by the SUPERVISOR. Total cost greater or less than above manday and dollar amounts when authorized will be the subject of an equitable adjustment.

3.2.1 Submit four legible copies of a weekly report to document labor and material expenditures to the SUPERVISOR.

3.3 Accomplish the requirements of 009-12 of 2.a, including Table 2, Column A, Lines One through 7.

3.4 Accomplish the requirements of 009-25 of 2.a for air hose test of the new plating and welded seams. Allowable leakage: None.

3.5 Accomplish the requirements of 009-32 of 2.a for the new and disturbed surfaces.

4. NOTES:

4.1 None.

5. GOVERNMENT FURNISHED MATERIAL (GFM):

5.1 None.

SHIP: USS TRENTON (LPD-14) ITEM NO: 163-11-001

COAR: 26-015 PCN: EP02-1041

SWI FILE NO: 163-01 CMP: NONE

REVISED: 25 APR 2000 SURVEYOR: RIDDICK

1. SCOPE:

1.1 Title: Sea Chest; repair

1.2 Location of Work:

1.2.1 Machinery Room Number Two (7-160-0-E)

1.2.2 Fresh Water Tank (8-160-1-W)

1.3 Identification:

1.3.1 Not Applicable

2. REFERENCES:

a. Standard Items

b. 120-2531260 Rev D, Seachest and Overboard Discharge Fittings List of Material and General Notes

c. 120-2531261 Rev D, Seachest and Ovbd Disch Ftgs Misc Details

d. 120-2531266 Rev D, Suction Sea Chests Machy Room Number 2

e. 100-2531006 Rev D, Outside Plating Frs 91-189 Below Main Deck

f. 102-2531050 Rev E, Innerbottom Plating Frs 160-200

3. REQUIREMENTS:

3.1 Accomplish the requirements of 009-77 of 2.a.

3.2 Accomplish a visual inspection of the Number Two SSTG salt water suction sea chest at frame 170, starboard, in the locations listed in 1.2.

3.2.1 Submit four legible copies of a report listing results of the requirements of 3.2, with sketches showing the type, amount and location of structural damage and deterioration to the SUPERVISOR.

3.3 Disconnect and remove each hydraulic operator, mark, tag and retain.

SHIP: USS TRENTON (LPD-14)

3.4 Accomplish the following repairs as determined by the visual inspection and as designated by the SUPERVISOR:

3.4.1 Remove a total of five square feet of deteriorated plating.

3.4.2 Remove a total of three linear feet of seachest body.

3.4.3 Chip and grind surfaces flush in way of repairs.

3.4.4 Install new material in place of that removed in 3.31 and 3.3.2, using 2.b through 2.f for guidance.

3.5 Provide 40 mandays of labor and 500 dollars of material to accomplish structural repairs to the sea chest as determined by the visual inspection not previously identified in this Work Item, when directed by the SUPERVISOR. Total cost greater or less than above manday and dollar amounts when authorized will be the subject of an equitable adjustment.

3.5.1 The areas of each sea chest plating that requires clad welding as a result of the requirements of 3.5, shall be as follows:

3.5.1.1 Surfaces shall be ground smooth to sound metal.

3.5.1.2 Fill local pits and grooves with weld metal prior to application of principal build-up layers.

3.5.2 Chip and grind surfaces flush in way of repairs.

3.6 Accomplish the requirements of 009-12 of 2.a, including Table 2, Column A, Lines One through 7.

3.7 Reinstall and connect each hydraulic operator removed in 3.3 in its original location.

3.8 Accomplish the requirements of 009-25 of 2.a for the air hose test of the repaired sea chest. Allowable leakage: None.

3.9 Accomplish the requirements of 009-32 of 2.a for the new and disturbed
surfaces.

4. NOTES:

4.1 None

5. GOVERNMENT FURNISHED MATERIAL (GFM):

5.1 None

SHIP: USS TRENTON (LPD-14)

ITEM NO: 251-11-001

COAR: 26-015

PCN: EP01-A211
EP02-A226

CMP: NONE

SURVEYOR: WILLIAMSON

1. SCOPE:

1.1 Title: Forced Draft Blower; repair

1.2 Location of Work:

1.2.1 Compartment (5-128-1-Q)

1.2.2 Compartment (5-168-2-Q)

1.3 Identification:

1.3.1 Quantity (One), Number 1A Forced Draft Blower, Mfr. Hardee Tynes Corporation, 525 PSIG, Model 60-685, (Vaneaxial Fan) Ser/ID Number 3G350-4

1.3.2 Quantity (One), Number 2B Forced Draft Blower, Mfr. Hardee Tynes Corporation, 525 PSIG, Model 60-685, (Vaneaxial Fan) Ser/ID Number 3G350-3

2. REFERENCES:

a. Standard Items

b. S9251-B1-MMA-010, Maintenance Manual for Main Forced Draft Blower, Discription, Operation, and Maintenance

3. REQUIREMENTS:

3.1 Disassemble the equipment listed in 1.3 to the extent necessary to remove the thrust bearing assembly using 2.b for guidance.

3.1.1 Clean exposed parts free of oil and foreign matter leaving no residue or injurious effects.

3.1.2 Inspect each part for wear and defects, using 2.b for guidance.

3.1.2.1 Measure and record sizes and clearances.

3.1.2.2 Include sizes, clearances, fits and finishes for wearing parts, bearing surfaces, seal and packing aresa and physical conditions of parts not specified for renewal.

3.1.3 Submit four legible copies of a report listing results of the requirements of 3.1.2 through 3.1.2.2 to the SUPERVISOR.

3.1.4 Remove high spots, burrs, abrasions, nicks, corrosion, gasket material and foreign matter from exposed flanges and mating surfaces.

3.1.5 Remove burrs and high spots from exposed sliding surfaces, screw threads, keys and keyways.

3.1.5.1 Chase and tap exposed threaded areas.

3.1.6 Polish machined surfaces in way of repairs.

3.2 Assemble, align, adjust, set, and connect the equipment listed in 1.3 fitting and installing new gaskets, seals, bolts, nuts, washers, keys, studs, and the following new parts in accordance with 2.b:

3.2.1 Thrust Bearing Assembly

TOTAL QUANTITY REQUIRED	NAME OF PART	PIECE NO.	REF. NO.	FIGURE DRAWING NO.	PART NO.
2 Ea.	Space Collar	254	2.b	A-5	56-254
2 Ea.	Seal	263	2.b	A-5	101-263
2 Ea.	Shim	265	2.b	A-5	56-265
2 Ea.	Thrust Brg. Assy.	271	2.b	A-5	Mfr.Wakesha, Dwg. Number DD-004-0441-005

3.2.2 Machine each space collar, using 2.b and paragraph 6-75 of 2.b for guidance.

3.2.3 Measure and record final sizes and clearances, using 2.b for guidance.

3.2.3.1 Submit four legible copies of a report listing results of the requirements of 3.2.3. to the SUPERVISOR.

3.3 Accomplish the requirements of 009-32 of 2.a for the normally painted new and disturbed surfaces of the equipment listed in 3.1.

SHIP: USS TRENTON (LPD-14)

(V) (G) "OPERATIONAL TEST"

3.4 Accomplish an operational test for the equipment listed in 1.3 using 2.b for guidance.

3.4.1 Record oil temperatures, oil pressures, steam pressure, revolutions per minute on each blower.

3.4.2 Allowable leakage at new and disturbed joints: None.

3.4.2.1 Submit four legible copies of a report listing results of the requirements of 3.4 through 3.4.2 to the SUPERVISOR.

4. NOTES:

4.1 None.

5. GOVERNMENT FURNISHED MATERIAL (GFM):

5.1 None.

SHIP: USS TRENTON (LPD-14) ITEM NO: 255-35-001

COAR: 26-015 PCN: EP01-1071

CMP: NONE

SURVEYOR: STEVENS

1. SCOPE:

1.1 Title: Emergency Feed Pump; repair

1.2 Location of Work:

1.2.1 Compartment (7-120-0-E)

1.3 Identification:

1.3.1 Quantity (One), Number One Emergency Feed Pump Steam End, Mfr. Warren Pumps Inc., Steam Pressure 550 PSIG,Steam Temperature 530 Degrees Fahrenheit, Exhaust Pressure 15 PSIG

2. REFERENCES:

a. Standard Items

b. 0947-LP-040-0000, Technical Manual for Emergency Feed and Transfer Pump

c. TM-1014, SUPSHIP Portsmouth Test Memorandum for Emergency Feed Pump

3. REQUIREMENTS:

3.1 Remove and disassemble the equipment listed in 1.3 using 2.b for guidanance.

3.1.1 Clean exposed parts free of foreign matter leaving no residue or injurious effects.

3.1.2 Inspect each part for wear and defects using 2.b for guidance.

3.1.2.1 Measure and record sizes and clearances.

3.1.2.2 Include sizes and clearances for wearing parts, bearing surfaces, thrust and journal bearings, seal and packing areas and physical conditions of parts not specified for renewal.

3.1.2.3 Submit four legible copies of a report listing

results of the requirements of 3.1.2 through 3.1.2.2 to the SUPERVISOR.

3.1.3 Remove high spots, burrs, abrasions, nicks, corrosion, gasket material and foreign matter from exposed flanges and mating surfaces.

3.1.4 Remove burrs and high spots from exposed sliding surfaces, screw threads, keys and keyways.

3.1.4.1 Chase and tap exposed threaded areas.

3.1.5 Handwork and skim cut machined, sealing, aligning, mating and gasket surfaces, taking precautions to ensure no excessive metal removal.

3.1.6 Straighten each rod to within 0.002 inch total indicator reading.

3.1.7 Scrape, lap and fit metal to metal joints of each steam cylinder (steam end).

(I) (V) "Verify Contact"

3.1.7.1 Verify contact using blueing method. Contact shall be 75 percent, with a continuous band of contact 1/8 inch wide between inner bolting perimeter and the sealing surface pressure source.

3.1.8 Machine, grind or lap and spot-in each suction and discharge valve seating surface to obtain 360-degree continuous contact.

(I) (V) "Verify Contact"

3.1.8.1 Verify contact using blueing method. Transfer line shall not exceed 1/16 inch in width.

3.1.9 Polish machined surfaces in way of repairs.

3.1.10 Clear and clean pockets and passages free of obstructions and foreign matter.

3.2 Assemble, install, align, connect, set and adjust the equipment listed in 1.3 using 2.b for guidance.

3.2.1 Fit and install new studs, bolts, screws, nuts, washers, plugs, fittings dowels, gaskets, packing, seals and the following new parts in accordance with 2.b:

SHIP: USS TRENTON (LPD-14)

3.2.1.1 Pump Steam End

TOTAL QUANTITY REQUIRED	NAME OF PART	PIECE NO.	REF. NO.	FIGURE NO.	PART NO.
One Ea.	Steam Cylinder Lin.	2	2.b	6.2	UA-7
One Ea.	Piston Rod Throat Bushing	17	2.b	6.2	SO-15
One Ea.	Bracket Bushing	24	2.b	6.2	SS-3
One Ay.	Piston Rod-Steam End	30-32	2.b	6.2	SA-5
One Ay.	Steam Piston, Compl.	40-46	2.b	6.2	XK-1
One Ea.	Main Chest Lining	53	2.b	6.2	SX-6
One Ea.	Auxiliary Chest Lining	54	2.b	6.2	SY-6
One Ay.	Main Piston Valve	61-63	2.b	6.2	YB-2
One Ay.	Auxiliary Piston Valve	64-65	2.b	6.2	YC-1
One Ea.	Tail Rod	66	2.b	6.2	SC-4
One Ea.	Valve Rod	67	2.b	6.2	SD-6
One Ea.	Knuckle Joint	69-70	2.b	6.2	YD-1
2 Ea.	Auxiliary Chest Head Throat Bushing	75	2.b	6.2	SP-1
One Ea.	Pedestal Bushing	83	2.b	6.2	SU-2
2 Ea.	Auxiliary Lever Bushing	99	2.b	6.2	ST-5
One Ay.	Valve Rod Link	100-101	2.b	6.2	YG-2

3.2.2 Measure and record final sizes and clearances, using 2.b for guidance.

3.2.2.1 Submit four legible copies of a report listing results of the requirements of 3.2.2 to the SUPERVISOR.

(V) "Alignment"

3.2.3 Align each steam cylinder and pump cylinder, using 2.b for guidance.

3.2.3.1 Install and fit new chocks and shims to accomplish alignment.

3.2.3.2 Drill and ream each foundation, fit and install new dowels and foundation fasteners in accordance with 2.b.

(V) "Piping Alignment"

3.2.4 Align the piping to the equipment. Piping shall be supported independently and shall not impose a strain on the equipment.

3.2.5 Fit and install new studs, bolts, nuts.

3.3 Accomplish the requirements of 009-32 of 2.a for the normally painted surfaces of the equipment listed in 1.3 and respective foundations.

3.4 Accomplish the requirements of 009-14 of 2.a for each pump gage (a total of 2 gages each pump).

3.4.1 Submit four legible copies of a list of new parts installed in place of those found to be missing and defective, with documenting invoices or other substantiating data, to the SUPERVISOR. Total cost of new parts, excluding parts specifically identified to be replaced, shall not exceed 25 dollars without prior approval of the SUPERVISOR. Total cost of new parts not specifically identified to be replaced, greater or less than above dollar amount, will be the subject of an equitable adjustment.

3.4.2 Replace with new One non-repairable gage.

3.4.3 Calibrate and adjust each new gage in accordance with 009-14 of 2.a.

3.4.3.1 Submit four legible copies of a list of new gages installed, with documenting invoices or other substantiating data, to the SUPERVISOR. Total cost of new gages shall not exceed 125 dollars.

3.5 Accomplish the requirements of 009-11 of 2.a to remove existing and install new insulation, lagging, and reusable covers on the piping and machinery listed in 1.3.

(V) (G) "Test"

3.6 Accomplish the requirements of 2.c for the equipment listed in 1.3.

3.6.1 Submit four legible copies of completed 2.c to the SUPERVISOR.

4. NOTES:

4.1 None

5. GOVERNMENT FURNISHED MATERIAL (GFM):

QTY	UI	NAME OF PART/ DESCRIPTION	PIECE NO.	REF. NO.	NATIONAL STOCK NO.	PARA NO.

5.1 PUSH MATERIAL:

1. None.

5.2 KITTED MATERIAL:

1. None.

5.3 LLTM:

1. None.

SHIP: USS TRENTON (LPD-14)

ITEM NO: 311-13-001

COAR: 26-015

PCN: EP02-1031
EP02-A235
EP02-A262

CMP: NONE

SURVEYOR: WILLIAMSON

1. SCOPE:

1.1 Title: Ship Service Turbine Generator (SSTG) Labyrinth Packing, Forward Journal Bearing Oil Seal and Unloader Valve

1.2 Location of Work:

1.2.1 Main Machinery Room Number 2 (7-160-0-E)

1.3 Identification:

1.3.1 Quantity (One), Number 3/2A SSTG Turbine, Mfr. DeLaval Turbine Inc., Type GJ, RPM 10012, Steam Temperature 835 Degrees (F)

1.3.2 Quantity (One), Number 4/2B SSTG Turbine, Mfr. Delaval Turbine Inc., Type GJ, RPM 10012, Steam Temperature 835 Degrees (F)

2. REFERENCES:

a. Standard Items

b. 0961-LP-002-4000, Equipment Manual for Ships Service Turbine Generator sets

3. REQUIREMENTS:

3.1 Disassemble the equipment listed in 1.3 to the extent necessary to remove the outer lambyrinth packing from the exhaust end and the inlet end using 2.b for guidance.

3.2 Disassemble the equipment listed in 1.3.1 to the extent necessary to remove the forward journal bearing oil seal and unloader valve using 2.b for guidance.

3.2.1 Clean exposed parts free of oil and foreign matter leaving no residue or injurious effects.

3.2.2 Inspect each part for wear and defects, using 2.b for guidance.

3.2.2.1 Measure and record sizes and clearances.

3.2.2.2 Include sizes, clearances, fits and finishes for wearing parts, bearing surfaces, seal and packing areas and physical conditions of parts not specified for renewal.

3.2.3 Submit four legible copies of a report listing results of the requirements of 3.2.2 through 3.2.2.2 to the SUPERVISOR.

3.2.4 Remove high spots, burrs, abrasions, nicks, corrosion, gasket material and foreign matter from exposed flanges and mating surfaces.

3.2.5 Remove burrs and high spots from exposed sliding surfaces, screw threads, keys and keyways.

3.2.5.1 Chase and tap exposed threaded areas.

(V) (G) "VERIFY CONTACT"

3.2.6 Scrape, lap and fit metal to metal joints of the turbine case, turbine case cover and packing box. Verify contact using blueing method. Contact shall be 75 percent, with a continuous band of contact 1/4 inch wide between inner bolting perimeter and the sealing surface pressure source.

3.2.7 Polish machined surfaces in way of repairs.

3.3 Assemble, install, align, adjust, set and connect the equipment listed in 1.3 including subassemblies and components, using 2.b for guidance.

3.3.1 Fit and install new gaskets, seals, springs, o-rings studs, bolts, screws, nuts, washers, dowels and the following new parts in accordance with 2.b:

3.3.1.1 Turbine Assembly

TOTAL QUANTITY REQUIRED	NAME OF PART	PIECE NO.	REF. NO.	FIGURE DRAWING NO.	PART NO.
264 Ea.	Springs	19	2.b	10-2-2	VGJ-235
4 Ea.	Tightening Ring	43	2.b	10-2-2	GJ-141ADX1 U/L
14 Ea.	Lambyrinth Ring	48	2.b	10-2-2	GJ-141ANX2
4 Ay.	Oil Guard	7	2.b	10-2-2	GJ-588T U/L

3.3.1.2 Unloader Valve

TOTAL QUANTITY REQUIRED	NAME OF PART	PIECE NO.	REF. NO.	FIGURE DRAWING NO.	PART NO.
One Ea.	Spring	6	2.b	NMP-473	----
4 Ea.	Spring Steps	4	2.b	NMP-473	----

3.3.2 Measure and record final sizes and clearances, using 2.b for guidance.

3.3.2.1 Submit four legible copies of a report listing results of the requirements of 3.3.2 to the SUPERVISOR.

3.4 Accomplish the requirements of 009-32 of 2.a for the normally painted new and disturbed surfaces of the equipment listed in 1.3.

3.5 Install new spray shields on each lube oil system flanged threaded joint in accordance with ASTM-F-1138.

3.6 Accomplish the requirements of 009-11 of 2.a.

(V) (G) "OPERATIONAL TEST"

3.7 Accomplish an operational test for the equipment listed in 1.3, using 2.b for guidance.

3.7.1 Record steam pressures, bearing temperatures and oil pressures.

3.7.2 Allowable leakage at new and disturbed joints: None

3.7.3 Submit four legible copies of a report listing results of the requirements of 3.7 using 2.b for guidance.

4. NOTES:

4.1 None.

5. GOVERNMENT FURNISHED MATERIAL (GFM):

5.1 None.

SHIP: USS TRENTON (LPD-14)

ITEM NO: 524-11-001

COAR: 26-015

PCN: EA05-3587
EP02-1041

CMP: NONE

SURVEYOR: LOFTON

1. SCOPE:

1.1 Title: Sea Water Overboard Piping; replace

1.2 Location of Work:

1.2.1 Air Conditioning Room Number One (4-160-3-E)

1.2.2 Main Machinery Room Number 2 (7-160-0-E)

1.3 Identification:

1.3.1 Quantity (2 Feet), 5 Inch IPS, CUNI, Sea Water Overboard Piping, including a 90 Degree Elbow, and Flange, From and including the Outlent Flange of Sea Water Overboard Discharge Valve SW-5, to and including the Deck Penetration located in 1.2.1

1.3.2 Quantity (3 Feet), 6 Inch IPS, CUNI, Sea Water Overboard Piping, including a 90 Degree Elbow, and Flange, From and including the Inlet Flange of Valve 2ASW-E1B to and including the Deck Penetration located in 1.2.2

2. REFERENCES:

a. Standard Items

b. MIL-STD-777, Schedule of Piping, Valves, Fittings, and Associated Piping Components for Naval Surface Ships

c. 803-1385866, Penetration Bulkhead & Deck

3. REQUIREMENTS:

3.1 Accomplish the requirements of 009-77 of 2.a.

3.1.1 Install a second watertight boundary on openings larger than 12 inches in diameter where repairs are required outboard of the sea chest flange.

3.1.2 Install a second watertight boundary on openings 4 to 12 inches in diameter where repairs are required outboard of the sea chest flange and the sea chest is located in an area of limited access (i.e., inner bottom tank or void) and when personnel safety is a factor.

3.2 Remove the sea water overboard piping, fittings, and flanges listed in 1.3.

3.3 Restore piping flange mating surfaces exposed by disassembly of piping system. Repair by removing high spots, burrs, abrasions, and foreign matter, where removal can be accomplished by hand tools. Take precautions to maintain phonographic finish on flanges that have it.

3.4 Install new sea water overboard piping, fittings, fasteners, and flanges in the same location and configuration as that removed in 3.2.

3.4.1 New piping, fittings, and flanges shall conform to 2.b, including Category and Group D-1.

3.4.2 New deck penetrations shall be in accordance with 2.c.

3.4.3 The new 70-30 copper-nickel piping shall be MIL-T-16420, Type I, Class 200, .125 inch wall thickness for the 5 inch IPS, and .134 inch wall thickness for the 6 inch IPS.

3.5 Accomplish the requirements of 009-12 of 2.a, including Table One, Column A, Lines One through 10, and Table 2, Column A, lines One through 7.

3.6 Accomplish the requirements of 009-71 of 2.a for new and disturbed piping.

3.7 Accomplish the requirements of 009-25 of 2.a for an air hose test of the deck penetration weld seams. Allowable leakage: None.

3.8 Accomplish the requirements of 009-32 of 2.a for the new and disturbed normally painted surfaces.

3.9 Accomplish the requirements of 009-11 of 2.a for the new and disturbed work.

(V)(G) "OPERATIONAL TEST"

3.10 Test the new and disturbed work under operating conditions. Allowable leakage: None.

4. NOTES:

4.1 None.

SHIP: USS TRENTON (LPD-14)

5. GOVERNMENT FURNISHED MATERIAL (GFM):

QTY	UI	NAME OF PART/ DESCRIPTION	PIECE NO.	REF. NO.	NATIONAL STOCK NO.	PARA NO.

5.1 PUSH MATERIAL:

1. None.

5.2 KITTED MATERIAL:

1. None.

5.3 LLTM:

1. None.

SHIP: USS TRENTON (LPD-14)

ITEM NO: 593-21-001

COAR: 26-015

PCN: EP02-A185

CMP: NONE

SURVEYOR: LOFTON

1. SCOPE:

1.1 Title: Oil/Water Seperator; clean

1.2 Location of Work:

1.2.1 Main Machinery Room Number 2 (7-160-O-E)

1.3 Identification:

1.3.1 Quantity (One), Oil/Water Seperator, Mfr. Facet Inc., Model OPB-10NP, 10 GPM, APL 760320001

2. REFERENCES:

a. Standard Items

b. S9593-AY-MMM-010, Technical Manual Installation, Operation, Maintenance, And Repair Instructions With Parts List 10 GPM Bilge Oil/Water Separator AAE Model 740581 Fram Model OPB-10NP

3. REQUIREMENTS:

3.1 Remove and dispose of fluids to accomplish the requirements of this work item.

3.2 Disassemble the equipment listed in 1.3, using 2.b for guidance.

3.2.1 Clean exposed parts, including coalescing plates free of foreign matter leaving no residue or injurious effects.

3.2.2 Inspect each part for wear and defects, using 2.b for guidance.

3.2.3 Submit four legible copies of a report listing results of the requirements of 3.2.2 to the SUPERVISOR.

3.2.4 Remove high spots, burrs, abrasions, nicks, corrosion, gasket material and foreign matter from exposed flanges and mating surfaces.

3.2.5 Chase and tap exposed threaded areas.

SHIP: USS TRENTON (LPD-14)

3.3 Assemble the equipment listed in 1.3, using new gaskets and fasteners in accordance with 2.b.

3.4 Provide 10 mandays of labor and 1,000 dollars of material to accomplish repairs not previously identified in this Work Item, when directed by the SUPERVISOR. Total cost greater or less than above manday and dollar amounts when authorized will be the subject of an equitable adjustment.

3.4.1 Submit four legible copies of a weekly report to document labor and material expenditures to the SUPERVISOR.

3.5 Accomplish the requirements of 009-32 of 2.a. for the new and disturbed surfaces of the equipment listed in 1.3.

(V) (G) "OPERATIONAL TEST"

3.6 Test each oil/water seperator under operating conditions in accordance with 2.b. Allowable leakage at disturbed joints: None.

4. NOTES:

4.1 None.

5. GOVERNMENT FURNISHED MATERIAL (GFM):

QTY	UI	NAME OF PART/ DESCRIPTION	PIECE NO.	REF. NO.	NATIONAL STOCK NO.	PARA NO.

5.1 PUSH MATERIAL:

1. None.

5.2 KITTED MATERIAL:

1. None.

5.3 LLTM:

1. None.

SHIP: USS TRENTON (LPD-14) ITEM NO: 992-31-001

COAR: 26-015 PCN: NONE

SWI FILE NO: 992-31 CMP: NONE

REVISED: 9 APR 2001 SURVEYOR: RIDDICK

1. SCOPE:

1.1 Title: Cleaning and Pumping; accomplish

1.2 Location of Work:

1.2.1 Machinery Room Number Two (7-160-0-E)

1.2.2 Air Conditioning Machinery Room Number One (4-160-3-E)

1.3 Identification:

1.3.1 Not Applicable

2. REFERENCES:

a. Standard Items

b. 29 CFR Part 1915, OSHA

c. National Fire Protection Association Standard 312

d. National Fire Protection Association Standard 306

e. MIL-STD-777, Schedule of Piping, Valves, Fittings, and Associated Piping Components for Naval Surface Ships

f. 802-5959353 Rev AU, MIL-STD-777 Modified for DDG-51 Class, Schedule of Piping, Valves, Fittings, and Associated Piping Components

g. S9086-T8-STM-010/CH-593, Pollution Control

h. S9542-AA-MMO-010, Shipboard Aviation JP-5 Fuel Systems

i. S9086-SP-STM-010/CH-542, Gasoline and JP-5 Fuel Systems

j. MIL-HDBK-291, Military Handbook Cargo Tank Cleaning

3. REQUIREMENTS:

3.1 Open, ventilate, empty, clean, render dry, and maintain "Safe for Workers" and/or "Safe for Hot Work", in accordance with 2.b through 2.d, any

tank or space including adjacent tanks, spaces, or piping systems where the scope of repairs will result in a need for certification during the performance of this Job Order.

3.1.1 Ensure that harmful vapors, fumes, or mists are ventilated to the exterior of the vessel.

3.1.2 Submit four legible copies of a report listing the location, origin, and quantity of each manhole cover removed in 3.1 in respect to its tank, ship’s frame and distance off centerline to the SUPERVISOR.

3.1.3 Install expandable plugs or blanks, painted blaze orange, in associated tank piping at the first valve or flange. Associated piping is defined as "an assembly of pipe, tubing, valves, fittings and related components forming a whole or a part of a system which starts or terminates in subject area, thus being common to and associated with same".

3.1.3.1 Submit four legible copies of a report listing the location of each expandable plug and blank to the SUPERVISOR.

3.1.3.2 Remove each expandable plug or blank upon completion of repairs and testing, and install new gaskets and fasteners in accordance with applicable Categories and Group of 2.e or 2.f.

3.1.4 Clean and disinfect each CHT/sewage tank and associated piping in accordance with 2.g.

3.1.4.1 Maintain one system for Ship’s Force use at all times.

3.1.5 Clean each tank and any associated piping in accordance with 2.h through 2.j.

3.2 Steam clean each area where the removal of preservative is required.

3.2.1 Install new rust preventative compound conforming to MIL-PRF-16173, Grade One.

3.2.2 Install new monel fill and drain plugs conforming to QQ-N-281, Class B, to replace those removed to accomplish steam cleaning.

3.3 Pump tanks containing petroleum products to the low suction level of each tank.

3.3.1 Products shall be run through a flow meter calibrated in gallons.

3.3.2 Off-loading/on-loading of petroleum products shall be accomplished during daylight hours only.

3.3.3 Hoses, pumps, and storage containers shall be clean and dry prior to start of off-loading/on-loading.

3.3.4 Submit four legible copies of completed Attachment A (products inventory) to the SUPERVISOR.

3.3.5 Remove and dispose of liquids not being stored for reuse, including compensating sea water from the compensating fuel tanks, sludge, and debris in accordance with federal, state, and local laws, codes, ordinances, and regulations.

3.3.5.1 Fill the compensating fuel tanks with sea water upon completion of work.

3.4 Take samples of petroleum products from each tank prior to removal from ship and storage.

3.4.1 Accomplish analysis of petroleum products two working days prior to off-loading.

3.4.2 Accomplish a chemical analysis of each sample of distillate fuel and JP-5.

3.4.2.1 Test each sample for flashpoint, using the PENSKY-MARTENS method. The flashpoint should be in the range specified by 2.i.

3.4.2.2 Measure and record the API Gravity at 60 degrees Fahrenheit.

3.4.2.3 Check the bottom sediment and water, using a centrifuge. For distillate fuel, sediment and water should be less than 0.1 percent. For JP-5, sediment shall not be greater than 8 milligrams per liter and there should be no visible traces of water.

3.4.2.4 Measure the acid number. The acid number shall be within five percent of the original value upon return to ship.

3.4.2.5 Submit four legible copies of results of the analysis of 3.4.2 to the SUPERVISOR.

(V)(G) "VERIFY OFF LOAD COORDINATION"

3.5 Coordinate the off loading or transferring of fluids through the ship’s Damage Control Assistant (DCA), via the SUPERVISOR, to maintain ship’s stability and to prevent flooding.

3.5.1 Obtain a list from the SUPERVISOR of petroleum soundings for tanks prior to start of pumping operations.

(V)(G) "VERIFY CLEAN CONTAINER"

3.5.2 Off-load and store petroleum in the following amounts:

3.5.2.1 Distillate fuel: 0 gallons.

3.5.2.2 JP-5: 0 gallons.

3.5.2.3 Lubricating oil: 0 gallons.

3.6 Off-load and store or off-load and transport to the nearest Naval Fuel Depot (NFD), at the discretion of the contractor based upon cost effectiveness, the distillate fuel and JP-5.

3.6.1 Notify the SUPERVISOR prior to transporting the off-loaded petroleum products.

3.6.2 Deliver to the nearest NFD when directed by the SUPERVISOR. Conveyance will be accepted from 0730 to 1600, Monday through Friday, holidays excluded. The NFD will accomplish a petroleum analysis requiring a time duration of one hour prior to off-loading each conveyance.

3.6.3 Notify the NFD Director a minimum of five working days prior to delivering the off-loaded petroleum products, via the SUPERVISOR.

3.6.4 Submit four legible copies of completed Attachment A, signed by the NFD Director, listing the amount and type of petroleum products received, to the SUPERVISOR within 24 hours after disposition.

3.6.5 Distillate fuel and JP-5 fuel off-loaded and stored by the contractor shall be sampled and analyzed in accordance with 3.4.1 through 3.4.2.4 prior to on-loading.

3.6.5.1 Submit four legible copies of each analysis to the SUPERVISOR prior to on-load.

3.6.6 Provide ship with same type, grade, and quantity of distillate fuel and JP-5 off-loaded and stored, when directed by the SUPERVISOR.

3.7 Off-load and store in clean storage containers the lube oil and hydraulic oil from the tanks. On-load when directed by the SUPERVISOR.

3.7.1 Accomplish the requirements of 009-63 of 2.a.

3.7.1.1 Test and analyze samples from each tank prior to off-loading.

3.7.1.2 Test and analyze samples from each storage container prior to on-loading.

3.8 Clean each bilge of spaces listed in 1.2, free of trash, debris, grease, oily liquids, and other liquid contaminants prior to the initial certification.

3.8.1 Maintain each bilge to a clean, dry condition for the duration of the availability on a 7-day-a-week, 24-hour-a-day basis.

3.8.2 Remove and dispose of an additional 1500 gallons of non-hazardous liquids from bilges listed in 1.2, generated by the Navy, after initial cleaning and certification is obtained. Removals shall be measured. Total amount of liquids removed greater or less than the above amount shall be the subject of an equitable adjustment.

(V)(G) "SOURCE DETERMINATION"

3.8.2.1 Submit four legible copies of a report listing the amount of gallons removed in 3.8.2, responsible source of liquids, and date liquids were removed after each pumping operation.

(V)(G) "CLEAN AND DRY BILGES"

3.8.3 Prior to space turnover, when directed by the SUPERVISOR, accomplish a final detergent cleaning of each bilge of spaces listed in 1.2, removing all trash, debris, grease, oily liquids, and other liquid contaminants from the bilges.

3.8.3.1 Remove and install pumping equipment three evolutions after space turnover to support the requirements of 3.8.1 and 3.8.2.

3.9 Clean each chain locker free of silt, mud, and foreign matter.

3.10 Dispose of liquids in accordance with federal, state and local laws, codes, ordinances or regulations.

3.11 Tank Closure Repairs:

3.11.1 Clean, chase, or tap threaded areas prior to installing covers.

3.11.2 Weld up, drill, and tap a total of six stripped manhole cover bolting ring holes for tanks opened in 3.1.

3.11.3 Remove existing and install new a total of six missing or broken manhole cover studs for tanks opened in 3.1 conforming to MIL-S-1222, Type IV, Grade 304.

3.11.4 Accomplish the requirements of 009-12 of 2.a, including Table 2, Column A, Lines One through 7.

3.11.5 Accomplish the requirements of 009-32 of 2.a for disturbed surfaces.

(V)(G) "INSPECT TANK CLEANLINESS"

3.12 Inspect each tank for cleanliness prior to final closing.

3.12.1 Submit four legible copies of a report listing the names of personnel present during inspection to the SUPERVISOR within 72 hours after completion of final closing.

3.12.2 Install manhole cover for each tank, using new gaskets conforming to SAE-AMS-C-6183, Class One, new CRES washers conforming to FF-W-92, Type A, Grade One, Class B, and brass nuts conforming to MIL-S-1222, Type One, Grade 464.

3.12.2.1 Install gaskets conforming to ASTM D2000-75E, hex nuts conforming to ASTM A307, and hex head cap screws conforming to ASTM A307 for DDG-51 Class ships' sewage tanks.

3.12.2.2 Install new gaskets conforming to ZZ-R-765, Class 3A, Grade 30, and new hex head brass nuts conforming to MIL-S-1222, Type I, for DDG-51 Class ship's high temperature compartments.

3.12.2.3 Install hex head, self-locking nuts (nickel-copper) conforming to NASM-25027 for LSD-41 Class ships.

3.12.2.4 Install cotton wax wicking to studs prior to installing washers and nuts for DDG-51 Class ships.

3.12.2.5 Install new bolts conforming to MIL-S-1222, Grade 5, for flush deck bolted manhole covers.

3.12.3 Install access cover for each potable water, feedwater, and sewage tank, using new gaskets conforming to MIL-PRF-1149, new nuts conforming to MIL-S-1222, Type I, Grade 5, zinc coated, and new CRES washers conforming to FF-W-92, Type A, Grade One, Class B.

3.13 Accomplish the requirements of 009-32 of 2.a for new and disturbed surfaces.

4. NOTES:

4.1 Location(s) of the Naval Fuel Depot(s) receiving off-loaded fuels is/are available from the SUPERVISOR.

4.2 For the purpose of this Work Item, the term "tank or space" includes voids, cofferdams, and inaccessible or confined areas.

4.3 Consider each bilge to contain contaminated oily salt water.

4.4 Booklet of General Plans and Tank Sounding Tables are available for review at the office of the SUPERVISOR.

4.5 The SUPERVISOR will provide sequence of tanks and dates of inspections referenced in 3.1.1.

5. GOVERNMENT FURNISHED MATERIAL (GFM):

5.1 None.

SHIP: USS TRENTON (LPD-14)

ATTACHMENT A

INVENTORY SCHEDULE - PETROLEUM PRODUCTS

SHIP:	CONTRACTOR:	SUBCONTRACTOR:	CONTRACT NO.	LOT NO.

TANK NO	TYPE OF PETROLEUM PRODUCT	ITEM NO.	PUMPED TO TANK/TRUCK BARGE NO.	DATE REMOVED FROM SHIP	TAPE READING		NUMBER GALLONS REMOVED	REMARKS
					START	FINISH		

SIGNATURES	
NFD DIRECTOR	
CONTRACTOR/SUBCONTRACTOR AUTHORIZED REPRESENTATIVE	
SHIP'S COMMANDING OFFICER'S AUTHORIZED REPRESENTATIVE	